

acid. Spread a *very* thin coating on slide and let dry; place the object on; breathe on it very gently to soften the gelatin and to allow adhesion of objects. If carefully done it holds well.

SIMPLE DRAWING APPARATUS

A very useful accessory in micro-biological work is announced by Baush & Lomb Optical Company. It is designed for drawing from microscopic specimens, where magnified images of from 50 to 430 diameters are desired, the full diameter of the image circle being utilized for all magnifications within that range. It enables one to work with the eye at its normal reading distance from the pencil, a feature greatly appreciated by one doing much work of this character.

The apparatus is very simple but accurately constructed, and is thoroughly satisfactory in use. Adjustments are reduced to a minimum, the standard image distance of 250 mm (10 in.) from mirror to drawing surface being fixed. It is designed to accommodate almost any standard microscope.

The following detail of the makeup of the apparatus will make clear its character:

Microscope Support—Of wood, substantially constructed and neatly finished permanently attached to base, which is one piece, with drawing board top surface 128x175 mm, height 90 mm, assuring standard image of 250 mm with microscope in position; provided with simple metal clamp to hold microscope rigidly in place.

Drawing Board—Provides smoothly finished drawing surface 282 mm (11 $\frac{1}{8}$ in.) square, with light shield in position.

Light Shield—Sheet metal, neatly finished in black to avoid reflections; of a size and form to shade effectively three sides of the drawing surface.

Mirror—50 mm in diameter hinged, with stop at angle of 45 degrees to direct image perpendicularly to drawing surface; mounted on metal clamp which can be readily attached to microscope draw tube in any desired position; mirror can be raised for changing eye-pieces without removing.

Lamp—Special hand-feed 90 arc, protected by metal hood having small observation window; provided with bulls-eye condenser,

adjustable in tube for giving parallel or converging beam of light as desired; entire lamp mounted on support and adjustable vertically and laterally.

Rheostat—Of fixed form, accommodating 110 volts; 5 amperes of current must be used with arc lamp to regulate the current.